

IN THE SPECIFICATION:

Please amend the paragraph which begins on line 8 of page 16 to read as follows:

A1 --Referring now to Fig. 7B wherein the sub-routine **UPDATE-CASE-FILE** is shown. This sub-routine includes the new cases produced as input in step 201 in procedure **MAIN** and into them into the current Case-file. It receives the entries from the list of new cases in step 213 and taking a next new case from the list of new cases in step 214, the next new case is added onto the end of the Case-file. Step 216 determines whether all the new cases has been dealt with and proceeds to steps 217 and 215 where the next entry is added to the Case-file. An updated Case-file is produced as output in step ~~219~~ 218 and the sub-routine **UPDATE-CASE-FILE** ends in step 219.--

Please amend the paragraph which begins on line 5 of page 19 to read as follows:

A2 --If step 268 determines that all items in the G_List have not been considered, then the next item in the G_List is retrieved with it's intersection as First_Intersection in step ~~263~~ 272 and followed by step 264. Alternatively, if step 268 determines that all items in the G_List have been considered, the sub-routine **UG_LIST_GEN** outputs the UG_List in step 273 and returns in step 274.--

Please amend the paragraph which begins on line 26 of page 21 to read as follows:

AS --Step 340 determines whether the Gen-pattern is empty. If the Gen-pattern is not empty, then the occurrence of Gen-pattern is made 2 in step 341 and the subroutine **GET-GEN-PATTERN** returns in step 343 after producing as output Gen-pattern in step 342. If step 340 determines that Gen-pattern is empty, the sub-routine **GET-GEN-PATTERN** also returns in step 343.--

Please amend the paragraph which begins on line 13 of page 22 to read as follows:

Referring to Fig. 7K, subroutine **IF-SAME** is shown which check whether Gen-intersection and GP-intersection, obtained as inputs in step 371, are the same. Step 372 retrieves the first feature from Gen-intersection, named First-feature, followed by step 373 where the first feature from GP-intersection, named Second-feature, is retrieved. Step 374 calls sub-routine **FEATURE-SAME** to determine whether First-feature is the same as Second-feature. Sub-routine **FEATURE-SAME** starts at step 300 in Fig. 7G. If they are the same, then step 378 determines whether all the features of Gen-intersection have been considered. If this is affirmative, then the sub-routine continues to step 379. If not, then step 388 retrieves the next feature from Gen-intersection, names it First-feature and continues to step 373. However, if step 374 determined that First-feature is not the same as Second-feature, then step 375 determines whether all the features of the GP-intersection

*ALL
cancel* have been considered. If this is affirmative, then the sub-routine **IF-SAME** returns a "NO"
in step 292 377. If features of the GP-intersection remain, then step 376 retrieves next
feature from GP-intersection, names it Second-feature and continues to step 374.--